

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended) Magnesium hydroxide particles having a hexagonal crystal form and having an aspect ratio (H) which satisfies the following expression (I),

$$0.45 \cdot A \cdot B < H < 1.1 \cdot A \cdot B \quad (I)$$

wherein H is an aspect ratio, A is an average secondary particle diameter (μm) of all of the particles measured by a laser diffraction scattering method and B is a specific surface area (m^2/g) of all of the particles measured by a BET method and wherein a volume ratio of magnesium hydroxide particles having a secondary particle diameter (F) satisfying the following expression (II) is at least 60% based on a volume of all of the particles,

$$\underline{0.3 \cdot A < F < 1.7 \cdot A} \quad (II)$$

wherein F is a secondary particle diameter (μm) of the magnesium particles, and A is as defined in the expression (I).

Claim 2 (Original) The magnesium hydroxide particles of claim 1, wherein the aspect ratio (H) satisfies the following expression (I-a),

$$0.50 \cdot A \cdot B < H < 1.1 \cdot A \cdot B \quad (I-a)$$

wherein A and B are as defined in the expression (I).

Claim 3 (Cancelled)

Claim 4 (Original) The magnesium hydroxide particles of

claim 1, which have an average secondary particle diameter (A) measured by a laser diffraction scattering method, of 0.15 to 5.0 μm .

Claim 5 (Original) The magnesium hydroxide particles of claim 1, which have an average secondary particle diameter (A) measured by a laser diffraction scattering method, of 0.50 to 3.0 μm .

Claim 6 (Original) The magnesium hydroxide particles of claim 1, which have a specific surface area (B), measured by a BET method, of 1 to 150 m^2/g .

Claim 7 (Original) The magnesium hydroxide particles of claim 1, which have a specific surface area (B), measured by a BET method, of 2 to 130 m^2/g .

Claim 8 (Original) The magnesium hydroxide particles of claim 1, wherein a total content, as a metal, of an iron compound and a manganese compound is 0.01% by weight or less.

Claim 9 (Original) The magnesium hydroxide particles of claim 1, wherein a total content, as a metal, of an iron compound, a manganese compound, a cobalt compound, a chromium compound, a copper compound, a vanadium compound and a nickel compound is 0.02% by weight or less.

Claim 10 (Original) The magnesium hydroxide particles of claim 1, which are magnesium hydroxide particles surface treated with at least one surface-treating agent selected from the group consisting of higher fatty acids, anionic surfactants, phosphate

esters, coupling agents and esters formed from polyhydric alcohols and fatty acids.

Claims 11-16 (Cancelled)

Claim 17 (Currently Amended) A flame retardant comprising magnesium hydroxide particles having a hexagonal crystal form and having an aspect ratio (H) which satisfies the following expression (I),

$$0.45 \cdot A \cdot B < H < 1.1 \cdot A \cdot B \quad (I)$$

wherein H is an aspect ratio, A is an average secondary particle diameter (μm) of all of the particles measured by a laser diffraction scattering method and B is a specific surface area (m^2/g) of all of the particles measured by a BET method and wherein a volume ratio of magnesium hydroxide particles having a secondary particle diameter (F) satisfying the following expression (II) is at least 60% based on a volume of all of the particles,

$$\underline{0.3 \cdot A < F < 1.7 \cdot A} \quad (II)$$

wherein F is a secondary particle diameter (μm) of the magnesium hydroxide particles, and A is as defined in the expression (I).

Claim 18 (Original) The flame retardant of claim 17, wherein the magnesium hydroxide particles have an aspect ratio (H) satisfying the following expression (I-a),

$$0.50 \cdot A \cdot B < H < 1.1 \cdot A \cdot B \quad (I-a)$$

wherein A and B are as defined in the expression (I).

Claim 19 (Cancelled)

Claim 20 (Original) The flame retardant of claim 17, wherein the magnesium hydroxide particles have a specific surface area (B), measured by a BET method, of 30 m²/g or less.

Claim 21 (Original) The flame retardant of claim 17, wherein the magnesium hydroxide particles have a specific surface area (B), measured by a BET method, of 3 to 20 m²/g.

Claim 22 (Original) The flame retardant of claim 17, wherein the magnesium hydroxide particles have a specific surface area (B), measured by a BET method, of 3 to 10 m²/g.

Claim 23 (Original) The flame retardant of claim 17, wherein the magnesium hydroxide particles have a total content of an iron compound and a manganese compound, as a metal, or 0.01% by weight or less.

Claim 24 (Original) The flame retardant of claim 17, wherein the magnesium hydroxide particles have a total content of an iron compound, a manganese compound, a cobalt compound, a chromium compound, a copper compound, a vanadium compound and a nickel compound, as a metal, of 0.02% by weight or less.

Claim 25 (Currently Amended) A flame-retardant resin composition comprising 100 parts by weight of a synthetic resin and 5 to 300 parts by weight of magnesium hydroxide particles having a hexagonal crystal form and having an aspect ratio (H) which satisfies the following expression (I),

$$0.45 \cdot A \cdot B < H < 1.1 \cdot A \cdot B \quad (I)$$

wherein H is an aspect ratio, A is an average secondary particle diameter (μm) of all of the particles measured by a laser diffraction scattering method and B is a specific surface area (m^2/g) of all of the particles measured by a BET method, wherein a volume ratio of the magnesium hydroxide particles included in a width of a secondary particle diameter (F) distribution represented by the following expression (II) is at least 60% based on a volume of all of the particles,

$$\underline{0.3 \cdot A < F < 1.7 \cdot A} \quad \text{(II)}$$

wherein F is a width of a secondary particle diameter (μm) distribution of the magnesium hydroxide particles, and A is an average secondary particle diameter (μm) of all of the particles measured by a laser diffraction scattering method.

Claim 26 (Cancelled)

Claim 27 (Original) The flame-retardant resin composition of claim 25, wherein the magnesium hydroxide particles have a specific surface area (B), measured by a BET method, of $30 \text{ m}^2/\text{g}$ or less.

Claim 28 (Original) The flame-retardant resin composition of claim 25, wherein the magnesium hydroxide particles have a specific surface area (B), measured by a BET method, of 3 to $20 \text{ m}^2/\text{g}$.

Claim 29 (Original) The flame-retardant resin composition of claim 25, wherein the magnesium hydroxide particles have a specific surface area (B), measured by a BET method, of 3 to 10

m²/g.

Claim 30 (Original) The flame-retardant resin composition of claim 25, wherein the magnesium hydroxide particles are magnesium hydroxide particles surface-treated with at least one surface-treating agent selected from the group consisting of higher fatty acids, anionic surfactants, phosphate esters, coupling agents and esters formed from polyhydric alcohols and fatty acids.

Claim 31 (Original) The flame-retardant resin composition of claim 25, wherein the magnesium hydroxide particles have a total content of an iron compound and a manganese compound, as a metal, of 0.01% by weight or less.

Claim 32 (Original) The flame-retardant resin composition of claim 25, wherein the magnesium hydroxide particles have a total content of an iron compound, a manganese compound, a cobalt compound, a chromium compound, a copper compound, a vanadium compound and a nickel compound, as a metal, or 0.02% by weight or less.

Claim 33 (Original) The flame-retardant resin composition of claim 25, which further contains 0.5 to 20% by weight, based on a total weight of (a) the synthetic resin and (b) the magnesium hydroxide particles, of (c) a flame-retardant aid.

Claim 34 (Original) The synthetic resin composition of claim 33, wherein the flame-retardant aid is red phosphorus, a carbon powder or a mixture of these.

Claim 35 (Original) A molded article formed of the resin composition recited in claim 25.

Claim 36 (original) The molded article of claim 35, which substantially does not contain any halogen.